PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: **PCT** WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing See form PCT/ISA/210 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below PCT 8871 Priority date (day/month/year) International filing date (day/month/year) International application No. 09.03.2004 05.02.2005 PCT/DE2005/000219 International Patent Classification (IPC) or both national classification and IPC B60L13/04, H01F27/32 Applicant THYSSENKRUPP TRANSRAPID GMBH This opinion contains indications relating to the following items: · Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII Certain observations on the international application Box No.-VIII **FURTHER ACTION** 2. If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. 3. Authorized officer Name and mailing address of the ISA/EP Telephone No. Facsimile No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/DE2005/000219

Box	No. I	Basis of	this opinion				•				
1.	With filed	egard to the lan	guage, this opin indicated under	ion has been es this item.	tablished on	the basis of the	e international	application i	n the langua	ge in whi	ch it was
		This opinion has	been established			n from the orig					h (under
	-	Rule 12.3 and 23	3.1(b)).				-	•			,
2.	With	regard to any n	nucleotide and/o has been establi	or amino acid ished on the ba	sequence d	isclosed in the	e international	l application	and necessa	ry to the	claimed
	a.	type of material				•			•		
		a sequence	e listing								1
		table(s) rel	lated to the seque	ence listing							
	Ъ.	format of materi	i al		•						
		in written	format				•				•
		in comput	er readable form		•	•		-			
	c.	time of filing/fu	rnishing					-			
			in the internatio	nal application	as filed.						
		filed toget	ther with the inte	rnational appli	cation in com	puter readable	form.				
			subsequently to						,		
			•					4-bl-(n) =0	lating theret	o has hee	en filed or
3.		furnished the re	the case that me	nts that the info	rmation in th	e subsequent o	or additional c	or table(s) re opies is ident	ical to that i	n the app	lication as
-		filed or does no	t go beyond the	application as f	iled, as appro	priate, were n	irnisnea.	•			
4.	Add	tional comments	s:	•				· •		·	•
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/DE2005/000219

Box No. V		Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
1.	Statement			· · · · · · · · · · · · · · · · · · ·							
	Novelty (N)		Claims	1-12	YES						
			Claims		NO						
	Inventive step (IS)		<u> </u>	2-12	VEC						
	inventi'	, с жер (13 <i>)</i>	Claims	1	YES NO						
				<u>+</u>	_						
ł	Industrial applicability (IA)		Claims	1-12	YES						
			Claims		NO						
2.	Citations a	nd explanations:									
	1.	Reference i	s made	e to the following documents:							
		D1: DE 24 42 388 A (HOFFER) 18 March 1976 (1976-03-									
		18)									
	A (HITACHI CABLE LTD) 18 October										
ľ		1994 (
				•							
	2.	INDEPENDENT CLAIM 1									
	۷.	TMODE WINDERNY	, UMALI	· · · · · · · · · · · · · · · · · · ·							
i	2.1	. The present application does not satisfy the									
			nts of PCT Article 33(1) because the subject								
		_	atter of claim 1 does not involve an inventive step								
		within the meaning of PCT Article 33(3).									
		MICHIE CHE	meant	119 OF LOT 12FCTOTO 00 (0).							
	2 2	Document D1	is c	onsidered the prior art closest to							
	- , L ·										
	·	the subject matter of claim 1. It discloses (the									
		references in parentheses are to D1):									
		a magnetic pole for magnetic levitation vehicles									
	•			a winding applied to said core,							
		characterized in that said winding has at least two									
		•		formed from conduction bands wound in							
			_	round the core and in that the							
		individual layers are electrically insulated									
		radially from one another by the first insulation									

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

layers and axially from the core and the discs by at least one second insulation layer (figure 5, cooling channel) (page 12, figures 4-6).

- 2.3. The subject matter of claim 1 thus differs from the known magnetic pole in that the conduction bands are wound around the core in the opposite winding direction and are electrically connected to each other on the core by a coupler.
- 2.4. The problem to be solved by the present invention can thus be seen as that of electrically connecting the two discs together in a simple way.
- 2.5. The solution to this problem as proposed in claim 1 of the present application cannot be considered inventive (PCT Article 33(3)) for the following reasons:

Document D2 describes the same features as the present application with respect to the feature "opposite winding direction". A person skilled in the art would therefore consider the incorporation of this feature into the magnetic pole described in D1 to be a conventional design measure in solving the problem of interest.

3. DEPENDENT CLAIMS 2-12

The combinations of features contained in dependent claims 2-12 are neither known from nor suggested by the available prior art.